13. The process for further processing of small glass particles, as claimed in claim 12, wherein the low melting silicate flux, or enamel, is present in an amount ranging from 3 to 5% by weight.

14. The process for further processing of small glass particles, as claimed in claim 12, wherein the heat is in the range of 540°C to 660°C.

15. The process as claimed in claim 12, wherein the surfaces of the glass particles, before making contact with the silicate flux or enamel, are treated with a wetting agent in the form of an screen printing oil which gasifies without residue, a liquid which contains both boric acid and fluorine salts or mixtures thereof.

16. The process as claimed in claim 12, wherein the low melting silicate flux, or enamel, contains color pigments so that subsequent to the heat treatment, a pulverizing or grinding step occurs wherein small glass particles are formed as a glass granulate or glass beads with a color layer fired onto an outside of the glass particles.

17. The process as claimed in claim 12, wherein the heat treatment is done in an oxidizing or a reducing atmosphere.

18. The process as claimed claim 12, wherein a layer of the low melting silicate flux, or enamel, is applied to one or both surfaces of a flat material, wherein a layer of selectively colored or uncolored glass particles is applied to one or both wetted surfaces of the flat carrier material within a framework of a spraying process, and wherein following a completed rolling process, heat treatment is done in which the formation of securely adhering connecting bridges between the

glass particles among one another and the surface of the flat carrier material occurs.

19. The process as claimed in claim 18, wherein the flat carrier material is a thin flat glass or a flexible glass film.

20. The process as claimed in claim 18, wherein the flat carrier material is made in a form of ceramic tiles.

21. The process as claimed in claim 18, wherein the flat carrier material is a metal surface of a body of a land vehicle, a surface of a ship's hull or an aircraft's surface.

22. The process as claimed in claim 18, wherein the flat carrier material is a fireproof fabric in the form of a looped glass fabric or a ceramic fabric.

23. The process as claimed in claim 12, wherein the glass beads are coated with the low melting silicate flux, or enamel, within a mixing device, whereupon a pasty mass is produced and is placed in a corresponding mold, after which heat treatment porous glass elements are formed in a form of flat plates, relief panels, glass blocks, wall panels, or cladding panels.

24. The process as claimed in claim 12, wherein the small glass particles are coated with the low melting silicate flux, or enamel, within a mixing device, whereupon a pasty mass is produced and is placed in a cavity between two flat glass plates or glass films, after which heat treatment heat insulating glass panes are formed.--